

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059171.D
 Acq On : 11 Nov 2019 18:58
 Operator : JC/SP
 Sample : K5746-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1A

Quant Time: Nov 12 00:45:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	400322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	632839	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	555127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	206802	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	271770	55.23	ug/l	0.00
Spiked Amount			Recovery	=	110.46%	
35) Dibromofluoromethane	7.57	113	210154	55.62	ug/l	0.00
Spiked Amount			Recovery	=	111.24%	
50) Toluene-d8	10.08	98	790126	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
62) 4-Bromofluorobenzene	12.40	95	250456	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	

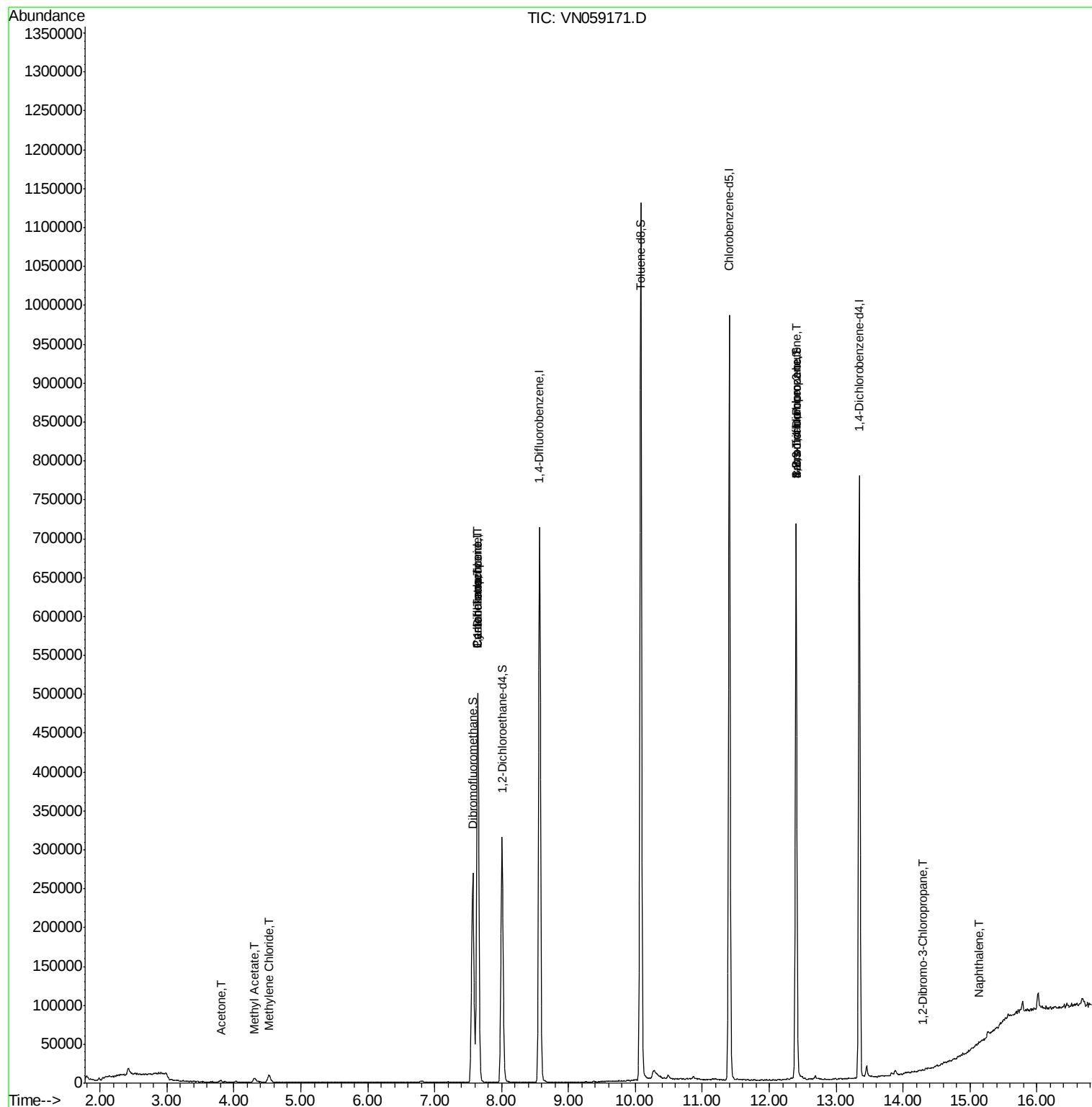
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.81	43	2557	0.999	ug/l #	81
18) Methyl Acetate	4.30	43	10381	1.709	ug/l	94
20) Methylene Chloride	4.52	84	6944	1.558	ug/l	89
31) Cyclohexane	7.64	56	8727	1.139	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	31913	5.395	ug/l #	44
38) Carbon Tetrachloride	7.64	117	38928	6.612	ug/l #	17
71) Bromoform	12.40	173	1400	0.443	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	128805	27.358	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	128805	72.259	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.29	75	182	0.204	ug/l #	3
95) Naphthalene	15.13	128	1383	3.166	ug/l #	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059171.D

Acq: 11 Nov 2019 18:58

Instrument :

MSVOA_N

ClientSampled :

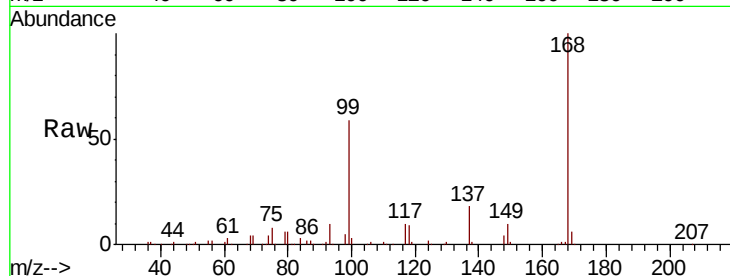
TP-1A

Tot Ion:168 Resp: 400322

Ion Ratio Lower Upper

168 100

99 58.6 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059171.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059171.D (-1733) (-)

7.64

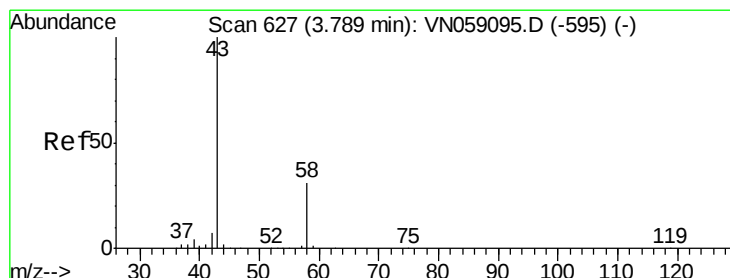
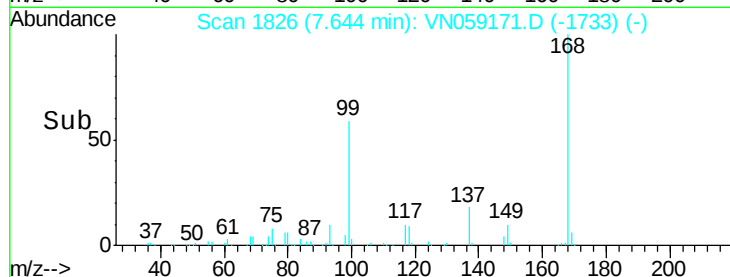
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 0.999 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.02 min

Lab File: VN059171.D

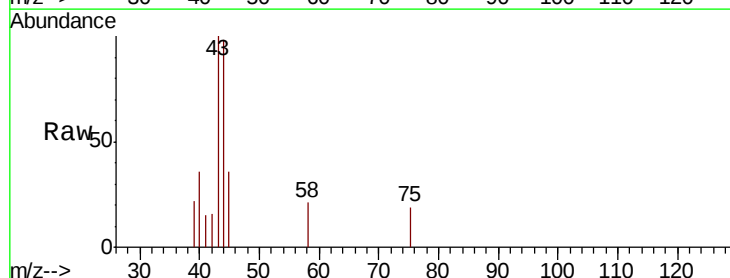
Acq: 11 Nov 2019 18:58

Tgt Ion: 43 Resp: 2557

Ion Ratio Lower Upper

43 100

58 20.8 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059171.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN059171.D (-534) (-)

3.81

1200

1000

800

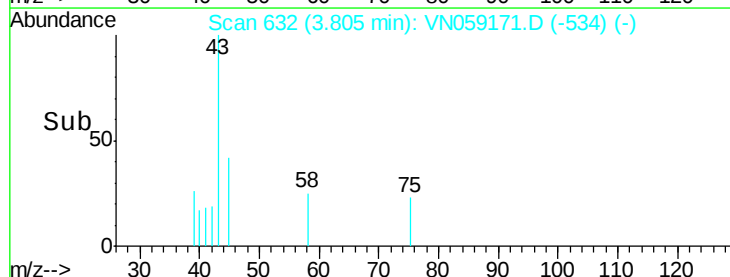
600

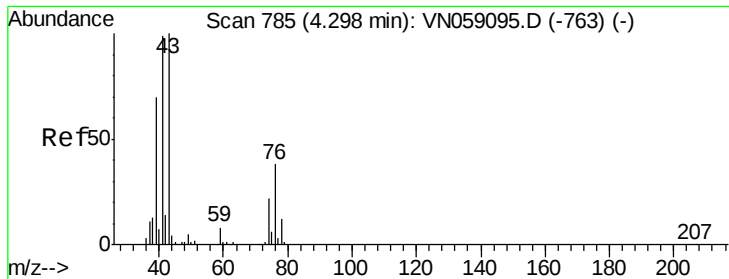
400

200

0

Time-->

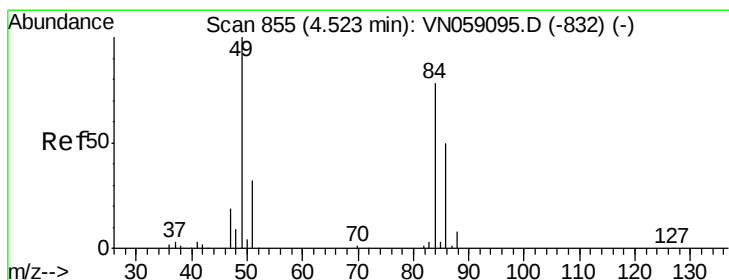
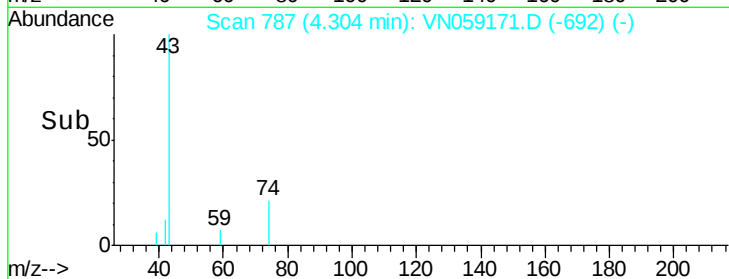
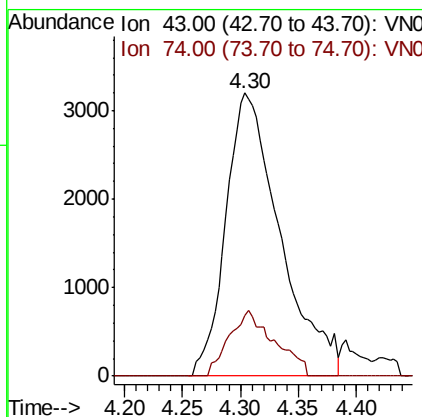
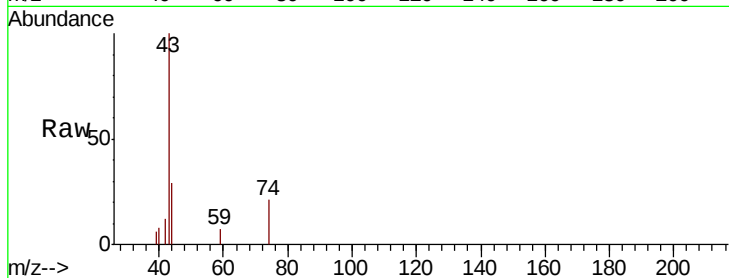




#18
Methvl Acetate
Concen: 1.709 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN059171.D
Acq: 11 Nov 2019 18:58

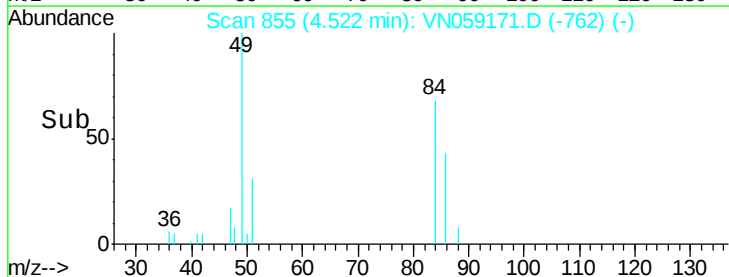
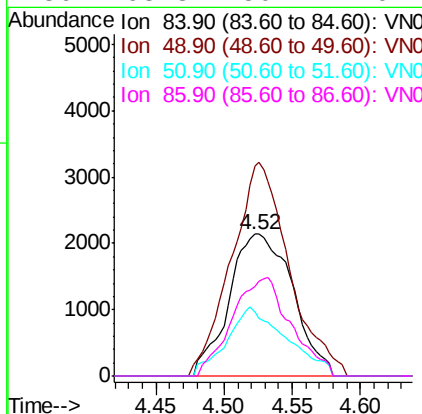
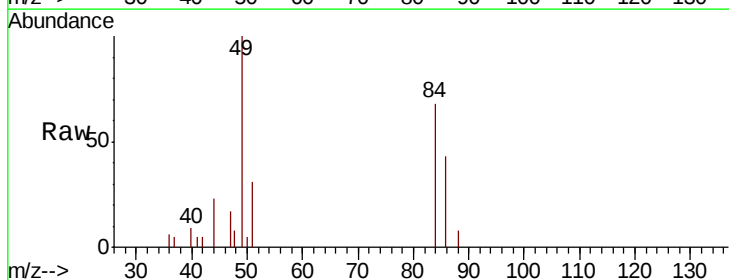
Instrument :
MSVOA_N
ClientSampled :
TP-1A

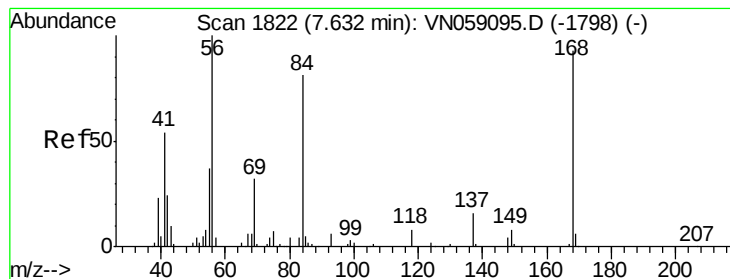
Tot Ion: 43 Resp: 10381
Ion Ratio Lower Upper
43 100
74 19.2 17.8 26.8



#20
Methylene Chloride
Concen: 1.558 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059171.D
Acq: 11 Nov 2019 18:58

Tgt Ion: 84 Resp: 6944
Ion Ratio Lower Upper
84 100
49 147.9 102.0 153.0
51 45.5 32.2 48.2
86 63.3 50.7 76.1





#31

Cyclohexane

Concen: 1.139 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059171.D

Acq: 11 Nov 2019 18:58

Instrument :

MSVOA_N

ClientSampled :

TP-1A

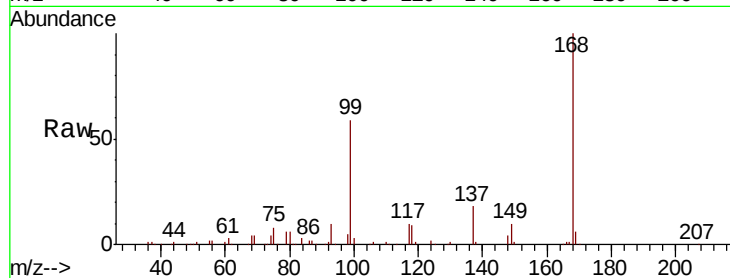
Tot Ion: 56 Resp: 8727

Ion Ratio Lower Upper

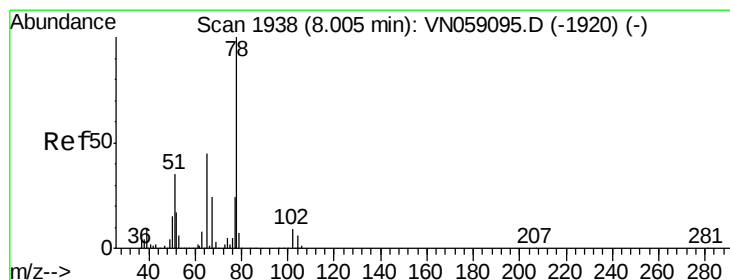
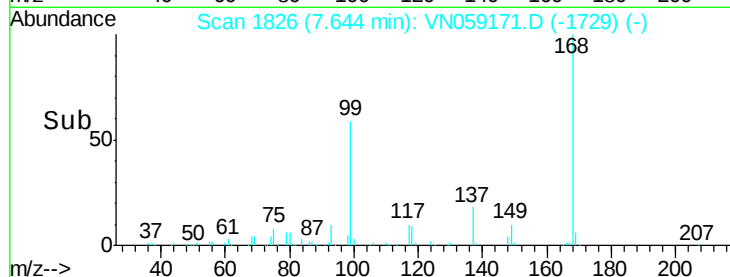
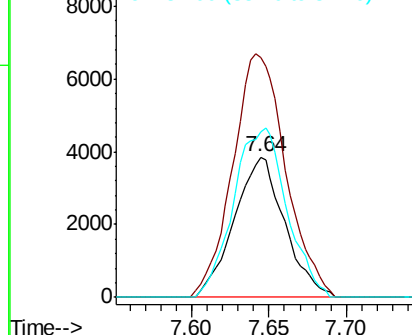
56 100

69 171.0 25.8 38.8#

84 118.1 65.0 97.4#



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 55.227 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059171.D

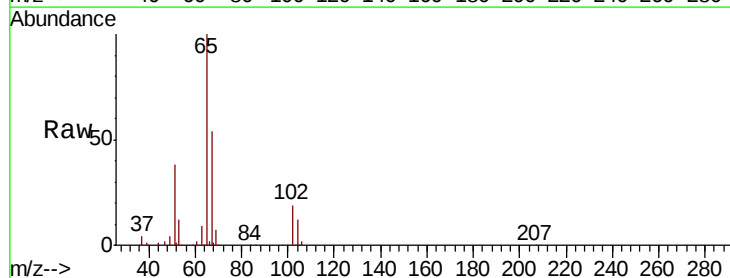
Acq: 11 Nov 2019 18:58

Tgt Ion: 65 Resp: 271770

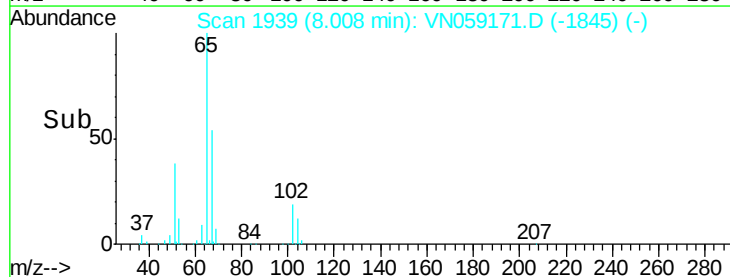
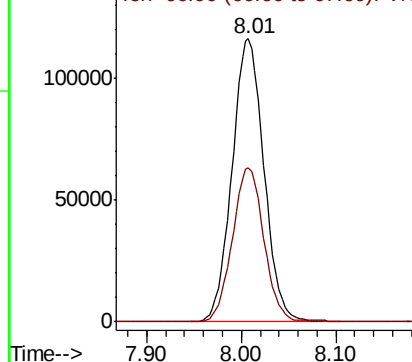
Ion Ratio Lower Upper

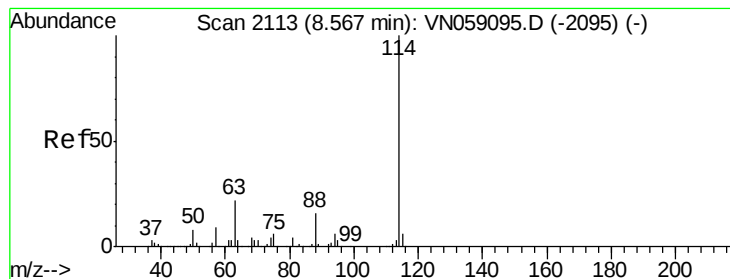
65 100

67 53.8 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059171.D

Acq: 11 Nov 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

TP-1A

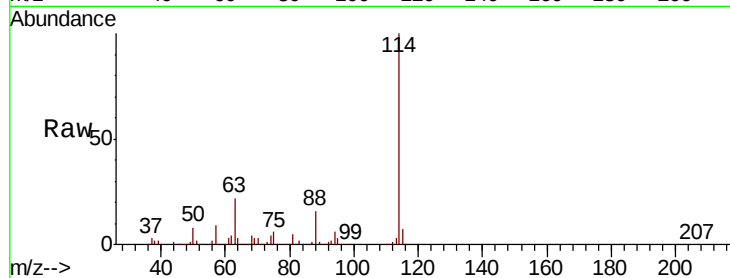
Tot Ion:114 Resp: 632839

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.4

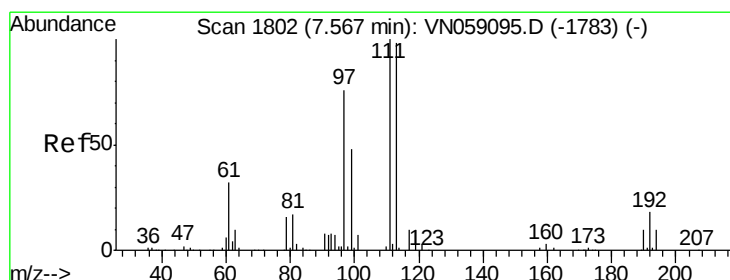
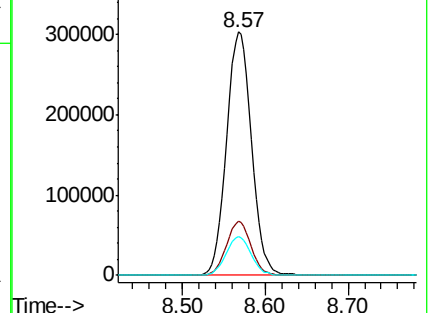
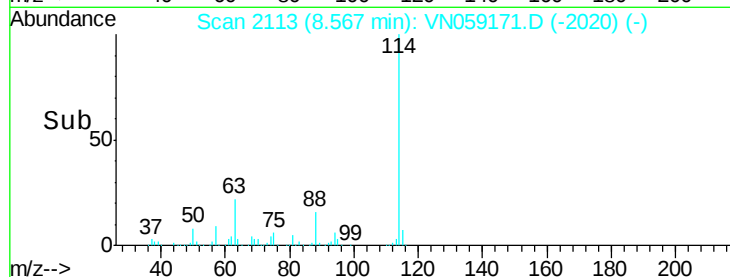
88 16.0 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 55.616 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059171.D

Acq: 11 Nov 2019 18:58

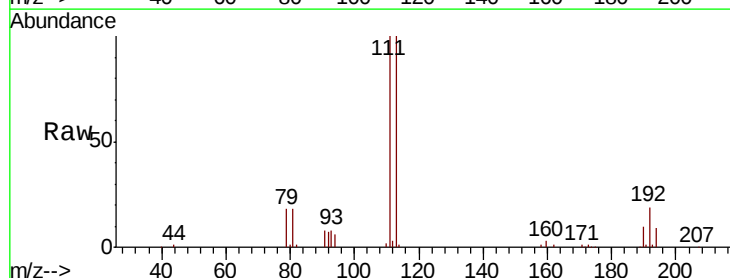
Tgt Ion:113 Resp: 210154

Ion Ratio Lower Upper

113 100

111 101.0 82.8 124.2

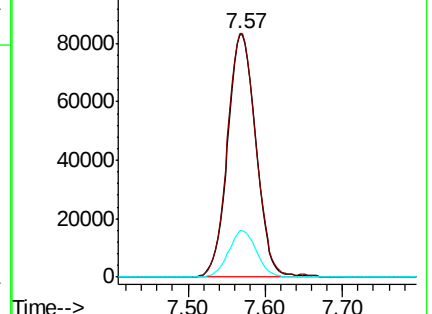
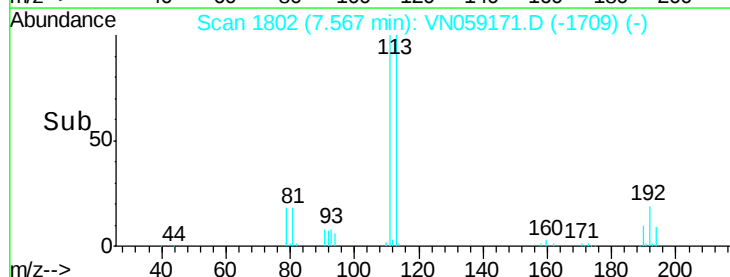
192 18.9 16.1 24.1

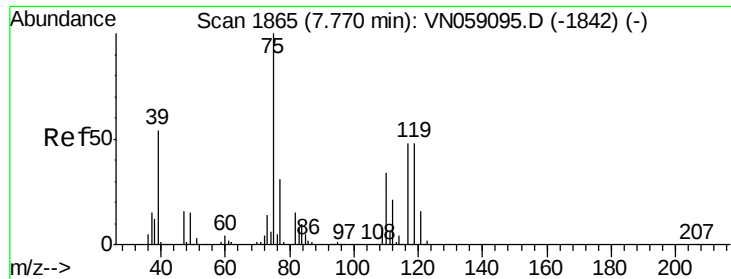


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

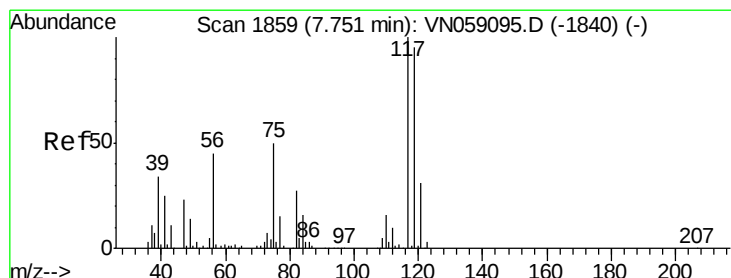
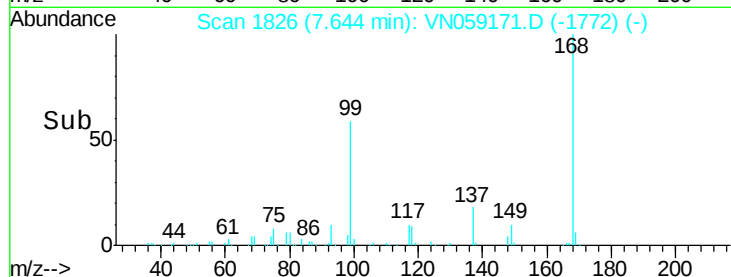
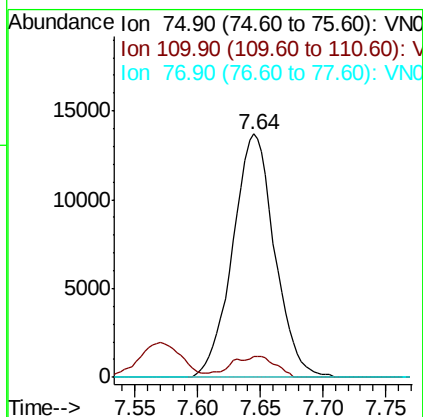
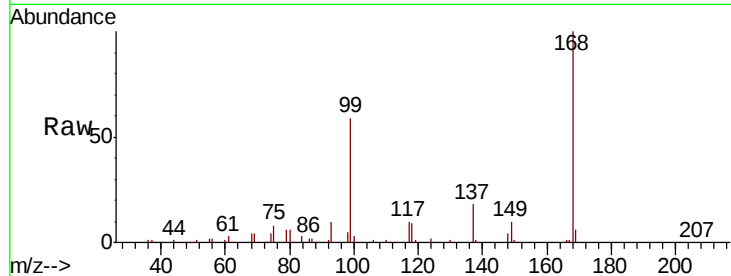




#36
 1,1-Dichloropropene
 Concen: 5.395 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059171.D
 Acq: 11 Nov 2019 18:58

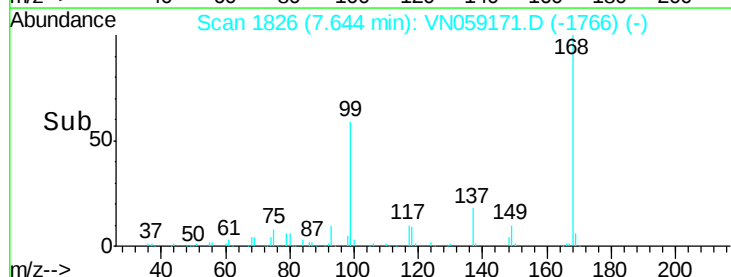
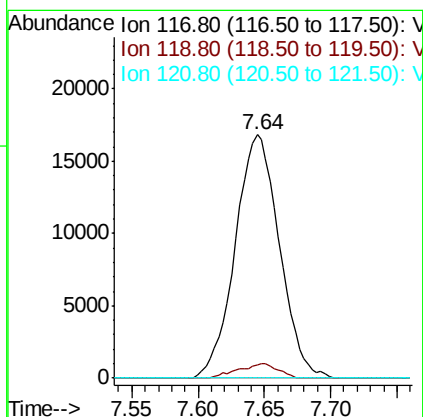
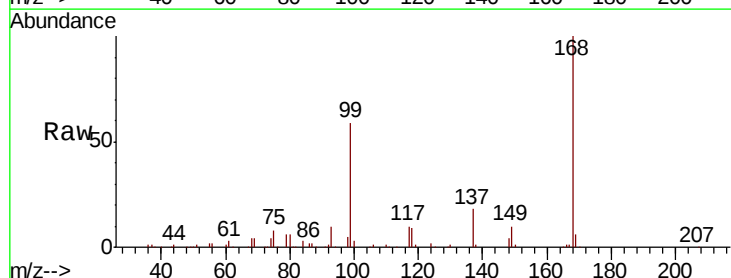
Instrument :
 MSVOA_N
 ClientSampled :
 TP-1A

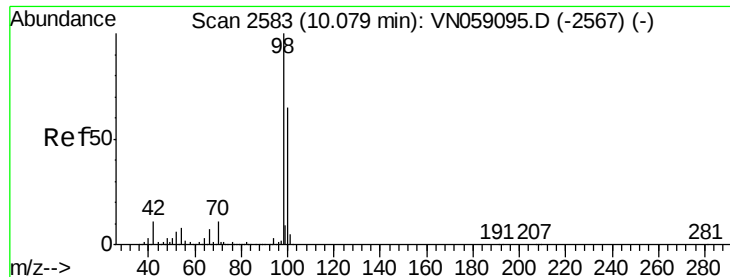
Tot Ion	75	Resp	31913
Ion Ratio	Lower	Upper	
75	100		
110	2.3	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.612 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059171.D
 Acq: 11 Nov 2019 18:58

Tgt Ion	117	Resp	38928
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	5.4	75.6	113.4#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 53.086 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059171.D

Acq: 11 Nov 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

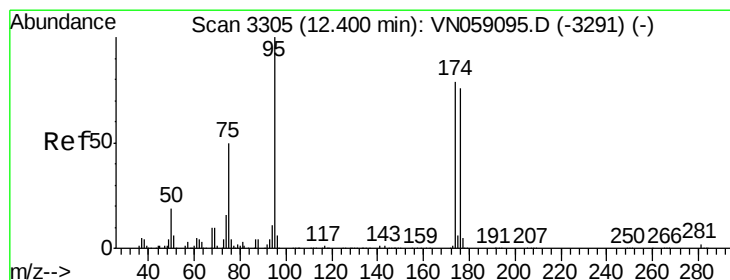
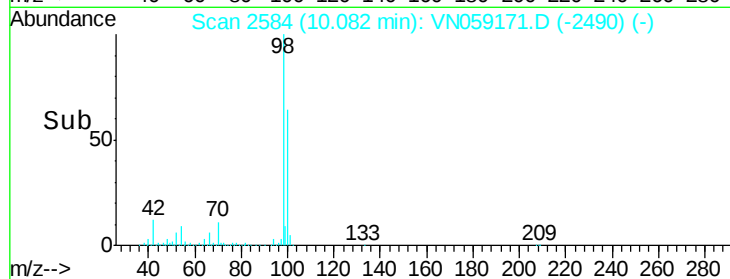
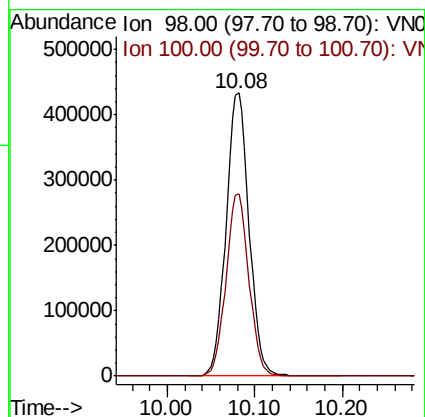
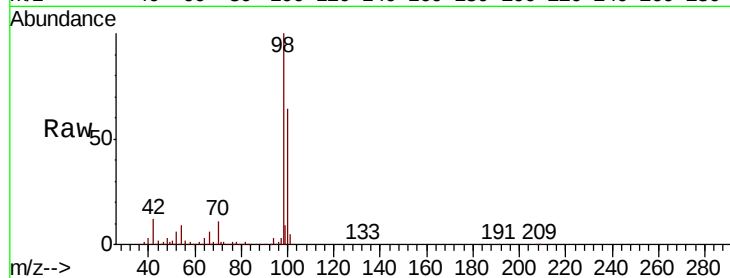
TP-1A

Tot Ion: 98 Resp: 790126

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 46.670 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059171.D

Acq: 11 Nov 2019 18:58

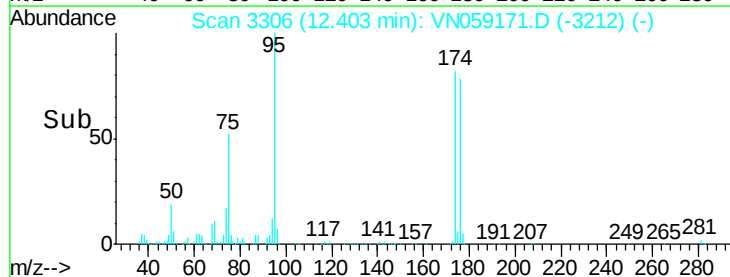
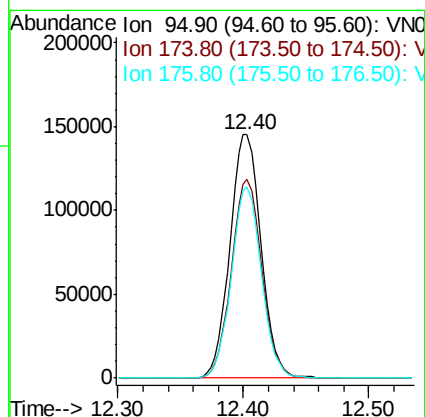
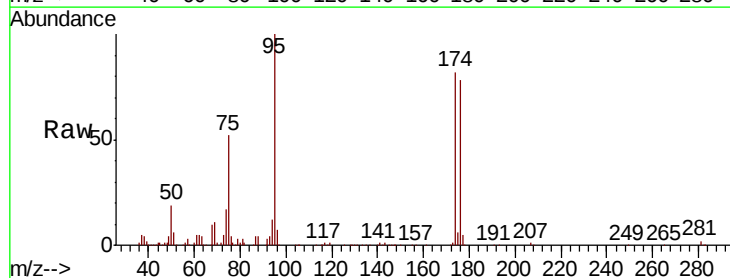
Tgt Ion: 95 Resp: 250456

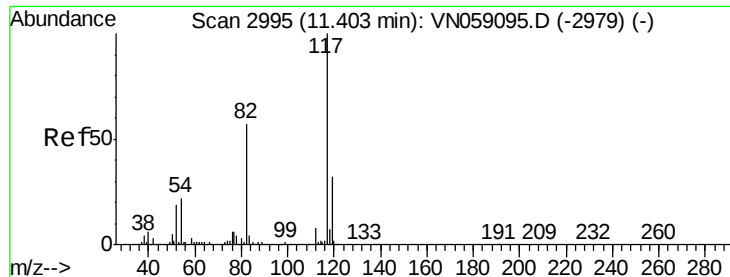
Ion Ratio Lower Upper

95 100

174 80.1 0.0 158.2

176 76.0 0.0 151.8

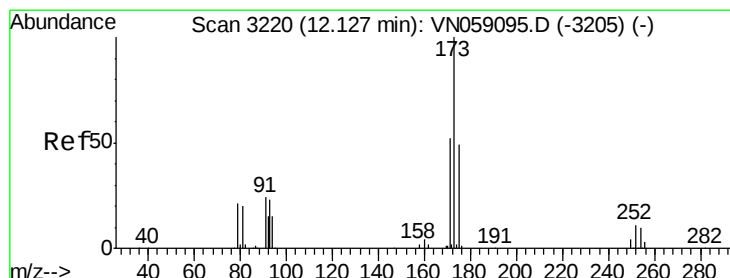
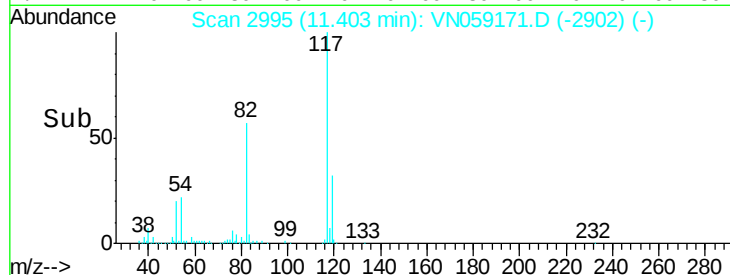
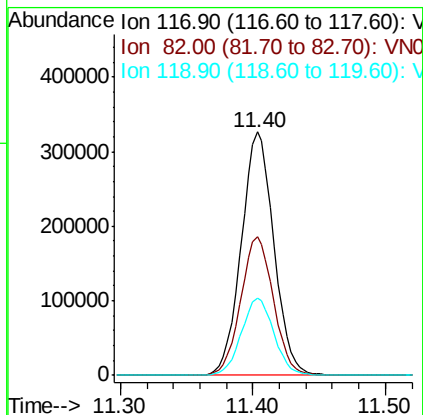
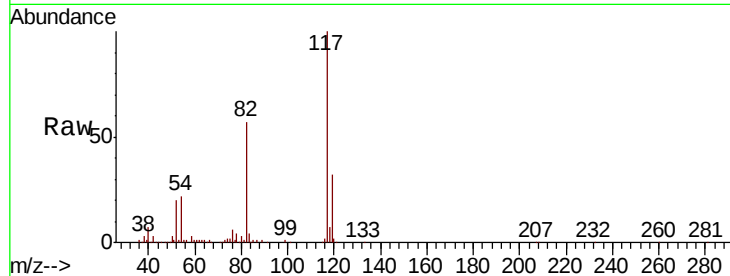




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059171.D
Acq: 11 Nov 2019 18:58

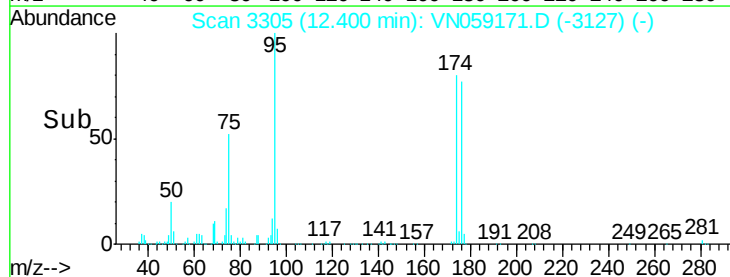
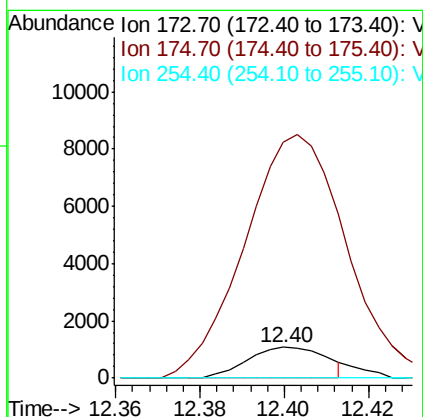
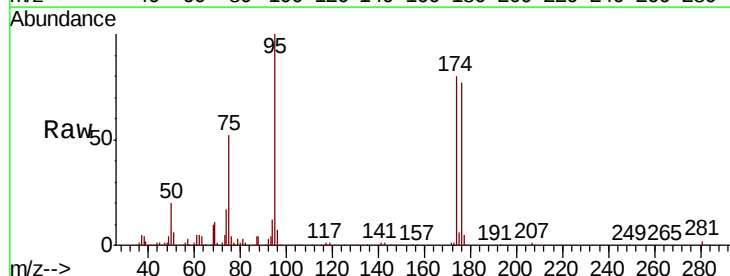
Instrument :
MSVOA_N
ClientSampleId :
TP-1A

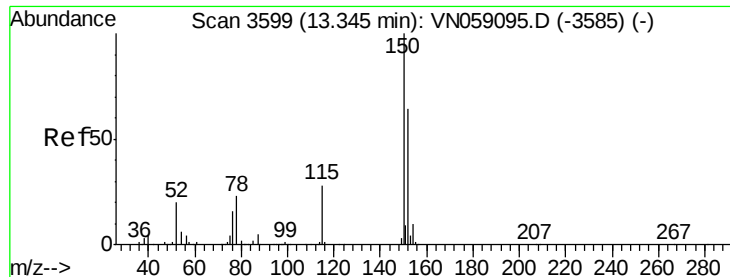
Tot Ion:117 Resp: 555127
Ion Ratio Lower Upper
117 100
82 56.9 45.8 68.8
119 31.6 25.8 38.6



#71
Bromoform
Concen: 0.443 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN059171.D
Acq: 11 Nov 2019 18:58

Tgt Ion:173 Resp: 1400
Ion Ratio Lower Upper
173 100
175 868.1 24.2 72.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059171.D

Acq: 11 Nov 2019 18:58

Instrument :

MSVOA_N

ClientSampled :

TP-1A

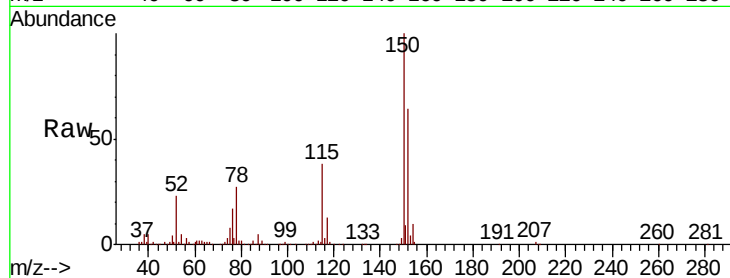
Tot Ion:152 Resp: 206802

Ion Ratio Lower Upper

152 100

115 59.7 29.4 88.2

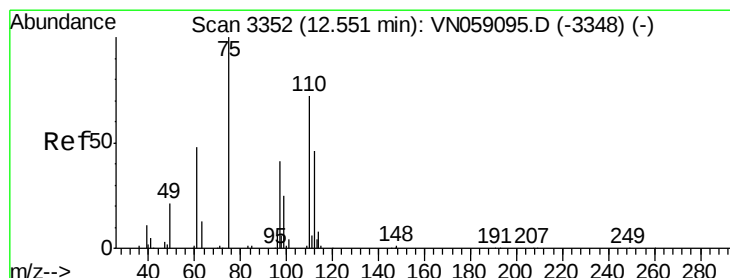
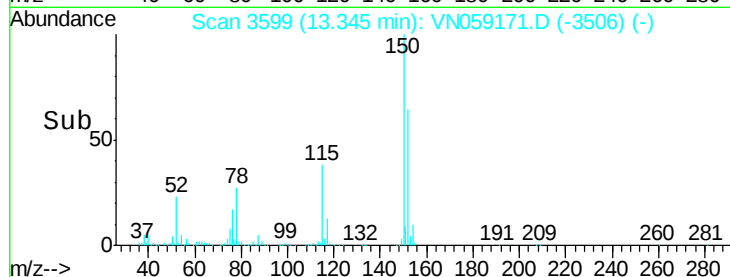
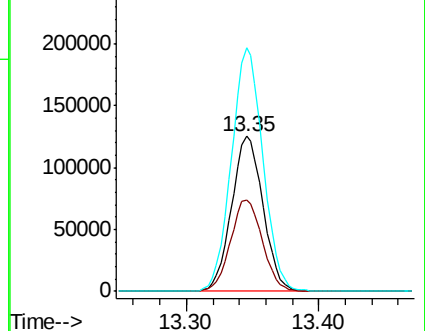
150 157.3 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 27.358 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059171.D

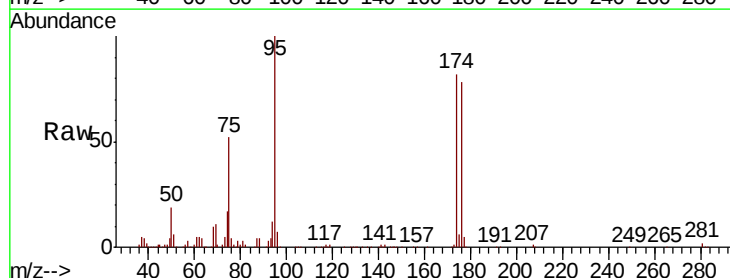
Acq: 11 Nov 2019 18:58

Tgt Ion: 75 Resp: 128805

Ion Ratio Lower Upper

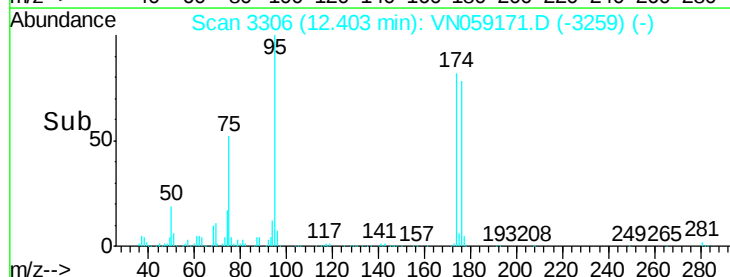
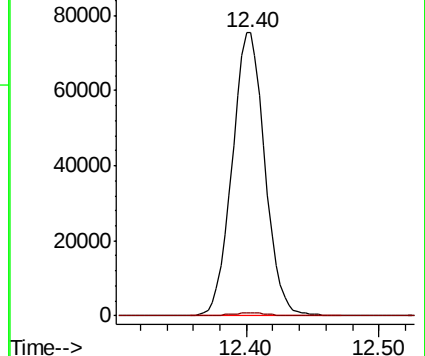
75 100

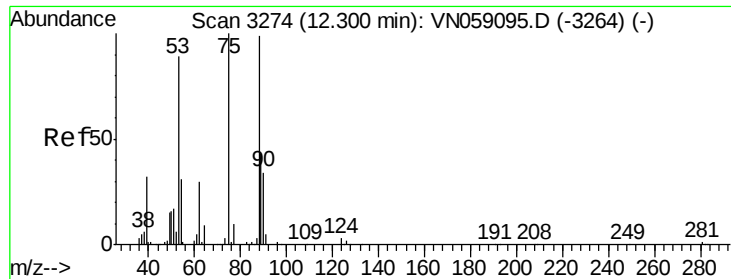
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 72.259 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059171.D

Acq: 11 Nov 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

TP-1A

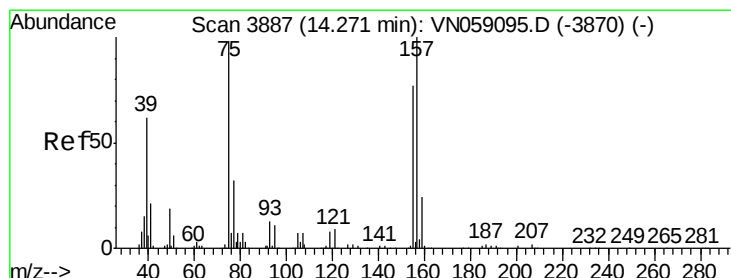
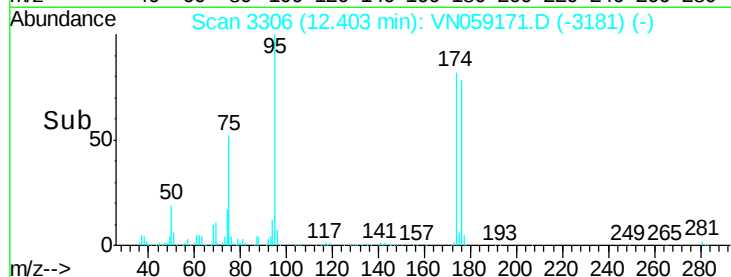
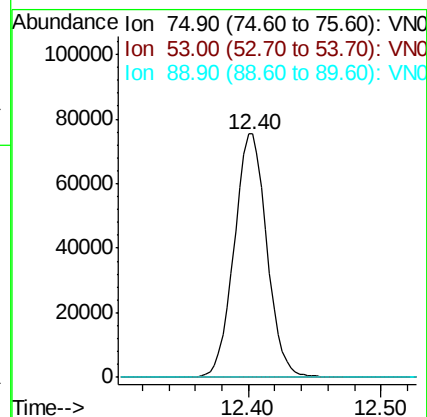
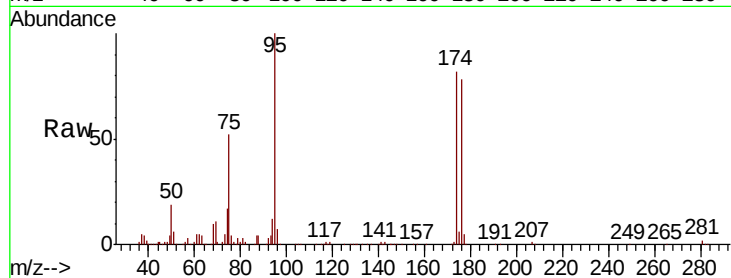
Tot Ion: 75 Resp: 128805

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

89 0.0 35.8 53.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.204 ug/l

RT: 14.29 min Scan# 3893

Delta R.T. 0.02 min

Lab File: VN059171.D

Acq: 11 Nov 2019 18:58

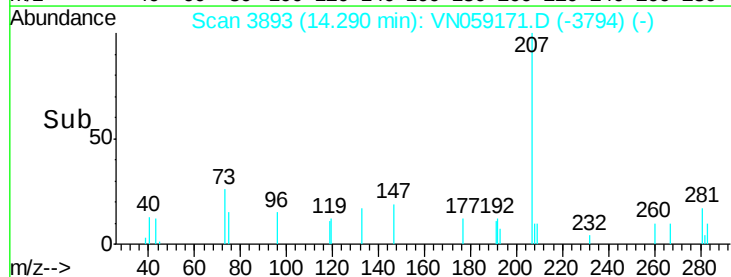
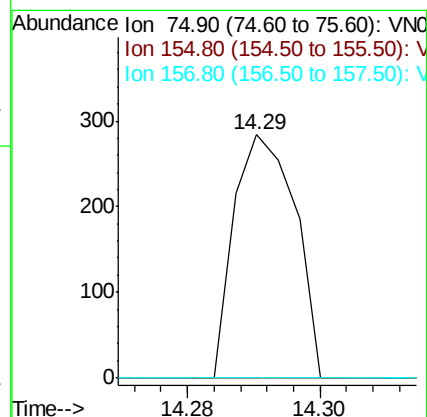
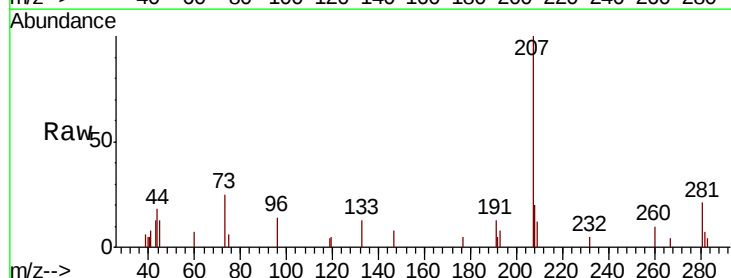
Tgt Ion: 75 Resp: 182

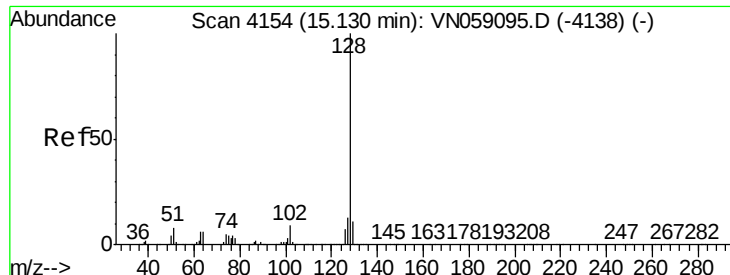
Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

157 0.0 51.8 155.5#





#95

Naphthalene

Concen: 3.166 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059171.D

Acq: 11 Nov 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

TP-1A

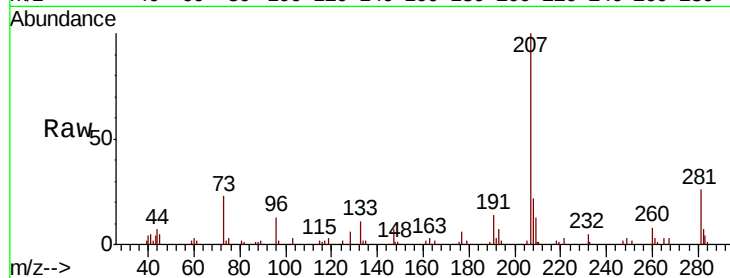
Tot Ion:128 Resp: 1383

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

